

Occupation Projections for Southwest Wisconsin Workforce Development Area 2002-2012

SOC Code	Occupational Title	Estimate employment		Change		Annual average			Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings		
00-0000	Total, All Occupations	117,650	134,450	16,800	14.3%	1,680	2,890	4,570	\$31,161	\$8.88 - \$18.80
11-0000	Management Occupations	4,400	5,150	750	17.0%	80	80	160	\$65,400	\$18.13 - \$40.33
13-0000	Business/Financial Operations Occs	2,820	3,470	650	23.0%	70	50	120	\$41,078	\$12.19 - \$25.79
15-0000	Computer & Mathematical Occupations	1,360	1,800	440	32.4%	40	20	60	\$51,172	\$18.73 - \$30.26
17-0000	Architecture/Engineering Occupations	1,740	1,910	170	9.8%	20	40	60	\$52,348	\$18.57 - \$31.10
19-0000	Life, Physical, and Social Sci Occs	870	1,030	160	18.4%	20	20	40	\$46,206	\$16.12 - \$26.11
21-0000	Community/Social Services Occs	1,750	2,110	360	20.6%	40	30	70	\$39,415	\$14.28 - \$22.59
23-0000	Legal Occupations	390	470	80	20.5%	10	0	10	\$66,726	\$13.47 - \$34.84
25-0000	Ed, Training, & Library Occs	7,230	8,580	1,350	18.7%	140	160	300	\$35,782	\$10.88 - \$22.28
27-0000	Arts/Design/Entertainment/Sports/Media	1,350	1,550	200	14.8%	20	30	50	\$29,725	\$8.82 - \$17.38
29-0000	Healthcare Practitioners & Techncl Occs	5,360	6,940	1,580	29.5%	160	100	260	\$53,052	\$16.38 - \$27.38
31-0000	Healthcare Support Occupations	3,240	4,320	1,080	33.3%	110	50	160	\$20,766	\$8.38 - \$11.16
33-0000	Protective Service Occupations	2,200	2,570	370	16.8%	40	60	100	\$32,509	\$8.82 - \$21.10
35-0000	Food Preparation & Serving Occupations	9,750	10,910	1,160	11.9%	120	390	510	\$16,223	\$6.33 - \$8.68
37-0000	Build & Grounds Cleaning/Maint Occs	3,550	4,100	550	15.5%	60	70	130	\$20,709	\$7.63 - \$11.59
39-0000	Personal Care and Service Occupations	2,670	3,350	680	25.5%	70	60	130	\$18,132	\$6.89 - \$10.17
41-0000	Sales and Related Occupations	11,610	13,140	1,530	13.2%	150	410	560	\$26,517	\$7.44 - \$14.16
43-0000	Office/Administrative Support Occupation	20,190	22,360	2,170	10.7%	220	470	690	\$25,886	\$9.68 - \$14.29
45-0000	Farming/Fishing/Forestry Occs	140	140	0	0.0%	0	0	0	\$22,884	\$7.89 - \$12.68
47-0000	Construction/Extraction Occupations	4,830	5,810	980	20.3%	100	100	200	\$39,731	\$13.49 - \$24.95
49-0000	Installation/Maint/Repair Occupations	4,590	5,240	650	14.2%	70	110	180	\$35,503	\$12.05 - \$21.09
51-0000	Production Occupations	17,490	17,740	250	1.4%	30	420	450	\$33,964	\$10.67 - \$22.78
53-0000	Trans/Material Moving Occupations	10,140	11,740	1,600	15.8%	160	220	380	\$27,345	\$9.46 - \$15.80

(see notes on page 2)

Notes:

- (1) Employment is rounded to the nearest ten, with employment less than five rounded to zero. Totals may not add due to rounding. Employment does not include self-employed, unpaid family workers, or railroad employees.
- (2) Replacements are an estimate of the number of job openings expected because people have permanently left a given occupation. Permanent exits occur if someone dies, retires, or otherwise leaves the labor force. Permanent exits also include openings resulting from someone permanently changing occupations. For example, a person leaves their job as a cashier and becomes a truck driver.
Openings resulting from people changing employers, but staying in the same occupation are not included.
- (3) Total openings are the sum of new jobs and replacements.
- (4) Average Annual Salary: An occupation's average hourly wage is calculated by summing the wages of all employees in a given occupation and then dividing by the total number of employees in that occupation. In most cases, the annual average salary is equal to the average hourly wage multiplied by 2,080.
- (5) Hourly Wage Rate - Middle Range: The middle range identifies the 25th and 75th percentiles in the hourly wage distribution for a given occupation. Fifty percent of the workers in the occupation earn wages in this range. In most cases, the entry level wage is at or below the 25th percentile.

Information is derived using the May 2003 OES Survey, 2002 QCEW and 2002 CES (3/03 Benchmark) data. Unpublished data from the US Bureau of Labor Statistics and US Census Bureau was also used.

To the extent possible, the projections take into account anticipated changes in Wisconsin's economy from 2002 to 2012. It is important to note that unanticipated events may affect the accuracy of these projections.

Source: Office of Economic Advisors, Wisconsin Department of Workforce Development, September 2004

Projections Methodology: Karin Wells, Economist
608-264-7841
Karin.Wells@dwd.state.wi.us

Local economist: Bill Brockmiller
608-785-9337
William.Brockmiller@dwd.state.wi.us

Occupation Projections for Southwest Wisconsin: 2002 - 2012

Top 50 Occupations with Most New Jobs

SOC Code	Occupational Title	Estimate employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
29-1111	Registered Nurses	2,040	2,670	630	30.9%	60	40	100	Bachelor's or Associate degree (see note 9)	\$49,535	\$20.70 - \$27.04
53-3032	Truck Drivers/Heavy/Tractor-Trailer	2,280	2,780	500	21.9%	50	40	90	Moderate-term on-the-job training	\$34,619	\$13.46 - \$19.54
41-2031	Retail Salespersons	3,790	4,230	440	11.6%	40	140	180	Short-term on-the-job training	\$22,097	\$6.89 - \$11.76
35-3021	Comb Food Prep/Serv Wrk/Incl Fast	1,930	2,310	380	19.7%	40	80	120	Short-term on-the-job training	\$14,518	\$6.10 - \$7.86
41-4012	Sls Reps/Whlsl/Mfg/Ex Tech/Sci Prod	1,500	1,870	370	24.7%	40	40	80	Moderate-term on-the-job training	\$38,656	\$12.39 - \$21.57
31-1012	Nursing Aides/Orderlies/Attendants	1,680	2,090	410	24.4%	40	20	60	Short-term on-the-job training	\$20,054	\$8.29 - \$10.85
43-4051	Customer Service Reps	1,540	1,980	440	28.6%	40	20	60	Moderate-term on-the-job training	\$29,556	\$10.46 - \$16.47
41-2011	Cashiers	3,330	3,660	330	9.9%	30	160	190	Short-term on-the-job training	\$16,642	\$6.66 - \$9.04
35-3031	Waiters/Waitresses	2,040	2,320	280	13.7%	30	110	140	Short-term on-the-job training	\$14,336	\$5.92 - \$7.06
37-2011	Janitors/Cleanrs Ex Maids/Hskpng	1,870	2,140	270	14.4%	30	40	70	Short-term on-the-job training	\$20,749	\$7.74 - \$11.75
53-7064	Packers/Packagers/Hand	1,330	1,610	280	21.1%	30	30	60	Short-term on-the-job training	\$21,520	\$7.79 - \$13.00
43-4171	Receptionists/Info Clerks	940	1,210	270	28.7%	30	20	50	Short-term on-the-job training	\$20,322	\$8.24 - \$11.03
39-9021	Personal and Home Care Aides	580	860	280	48.3%	30	10	40	Short-term on-the-job training	\$17,849	\$7.56 - \$9.49
31-1011	Home Health Aides	450	700	250	55.6%	30	10	40	Short-term on-the-job training	\$18,876	\$7.97 - \$10.05
53-7062	Labrs/Frght/Stock/Matrl Movers/Hand	2,260	2,420	160	7.1%	20	70	90	Short-term on-the-job training	\$23,199	\$9.17 - \$12.97
43-9061	Office Clerks/General	1,860	2,040	180	9.7%	20	40	60	Short-term on-the-job training	\$22,045	\$8.73 - \$12.50
11-1021	General and Operations Mgrs	1,170	1,340	170	14.5%	20	20	40	Bachelor's degree or more, plus work exp.	\$71,795	\$20.12 - \$41.59
49-9042	Maint/Repair Wrkrs/General	1,090	1,270	180	16.5%	20	20	40	Long-term on-the-job training	\$30,948	\$10.94 - \$17.95
25-9041	Teacher Assts	1,040	1,210	170	16.3%	20	20	40	Associate degree	\$19,265	-
53-3033	Truck Drivers/Light or Delivery Srvc	1,110	1,320	210	18.9%	20	10	30	Short-term on-the-job training	\$22,149	\$8.09 - \$12.81
47-2031	Carpenters	880	1,070	190	21.6%	20	10	30	Long-term on-the-job training	\$32,772	\$12.41 - \$18.61
47-2111	Electricians	640	810	170	26.6%	20	10	30	Long-term on-the-job training	\$53,256	\$22.06 - \$30.36
35-3011	Bartenders	940	990	50	5.3%	10	40	50	Short-term on-the-job training	\$15,702	\$6.73 - \$8.38
43-3031	Bookkeep/Account/Auditing Clerks	1,630	1,700	70	4.3%	10	30	40	Moderate-term on-the-job training	\$25,616	\$9.78 - \$14.26
25-2021	Elemen Schl Tchrs Ex Special Ed	1,220	1,340	120	9.8%	10	30	40	Bachelor's degree	\$35,959	-
25-2031	Secondary Schl Tchrs Ex Sp/Voc Ed	1,020	1,160	140	13.7%	10	30	40	Bachelor's degree	\$38,378	-
43-3071	Tellers	570	650	80	14.0%	10	30	40	Short-term on-the-job training	\$19,778	\$8.38 - \$10.42
43-6011	Executive Secretaries/Admin Assts	1,170	1,250	80	6.8%	10	20	30	Moderate-term on-the-job training	\$28,349	\$10.52 - \$16.38
43-1011	First-Line Sups/Mgrs-Offc/Admin Supp Wrk	1,100	1,190	90	8.2%	10	20	30	Work exp. in a related occupation	\$38,641	\$14.23 - \$21.81
41-1011	F-L Sups/Mgrs of Rtl Sls Wrkrs	1,020	1,160	140	13.7%	10	20	30	Work exp. in a related occupation	\$35,581	\$10.83 - \$20.39

Occupation Projections for Southwest Wisconsin: 2002 - 2012

Top 50 Occupations with Most New Jobs

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		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
51-1011	First-Line Sups/Mgrs of Prdn/Operat Wrks	980	1,100	120	12.2%	10	20	30	Work exp. in a related occupation	\$47,740	\$16.17 - \$27.36
37-2012	Maids/Housekpng Cleaners	840	980	140	16.7%	10	20	30	Short-term on-the-job training	\$16,523	\$7.15 - \$8.68
53-7051	Industrial Truck/Tractor Oprs	840	960	120	14.3%	10	20	30	Short-term on-the-job training	\$27,829	\$11.48 - \$14.54
49-3023	Automotive Service Techs/Mechanics	700	770	70	10.0%	10	20	30	Postsecondary vocational training	\$32,046	\$11.11 - \$20.17
35-2021	Food Prep Wrks	660	770	110	16.7%	10	20	30	Short-term on-the-job training	\$17,998	\$7.61 - \$9.87
33-3051	Police/Sheriff's Patrol Officers	570	680	110	19.3%	10	20	30	Long-term on-the-job training	\$39,557	\$16.23 - \$21.63
51-4121	Welders/Cutters/Solderers/Brazers	550	640	90	16.4%	10	20	30	Postsecondary vocational training	\$35,352	\$13.89 - \$20.34
35-2014	Cooks/Restaurant	550	620	70	12.7%	10	20	30	Long-term on-the-job training	\$18,009	\$7.38 - \$9.59
13-2011	Accountants and Auditors	630	760	130	20.6%	10	10	20	Bachelor's degree	\$46,833	\$13.73 - \$27.47
51-9111	Packagng/Fillng Machn Oprs/Tendr	640	720	80	12.5%	10	10	20	Short-term on-the-job training	\$24,162	\$9.65 - \$13.58
37-3011	Landscaping/Grndskpng Wrks	570	680	110	19.3%	10	10	20	Short-term on-the-job training	\$20,023	\$7.60 - \$10.87
51-9061	Inspect/Test/Sort/Sample/Weighers	590	660	70	11.9%	10	10	20	Moderate-term on-the-job training	\$30,900	\$11.42 - \$17.33
47-2061	Construction Laborers	540	650	110	20.4%	10	10	20	Moderate-term on-the-job training	\$37,974	\$11.48 - \$24.63
35-1012	F-L Sups/Mgrs Food Prep/Srv Wrks	570	640	70	12.3%	10	10	20	Work exp. in a related occupation	\$22,592	\$8.15 - \$13.18
29-2061	Licensed Pract/Vocational Nurses	490	580	90	18.4%	10	10	20	Postsecondary vocational training	\$32,321	\$13.59 - \$17.18
33-9032	Security Guards	460	570	110	23.9%	10	10	20	Short-term on-the-job training	\$19,844	\$7.69 - \$10.86
47-2152	Plumbers/Pipefitters/Steamfitters	450	550	100	22.2%	10	10	20	Long-term on-the-job training	\$43,283	\$15.81 - \$28.45
39-5012	Hairdress/Hairstyl/Cosmetologists	430	530	100	23.3%	10	10	20	Postsecondary vocational training	\$22,200	\$8.38 - \$13.09

Also included in the top fifty but not shown to protect the confidentiality of employers are the following occupations:

43-4151	Order Clerks	*	*	*	*	60	40	100	Short-term on-the-job training	*	* *
43-5071	Shipping/Receiving/Traffic Clerks	*	*	*	*	20	30	50	Short-term on-the-job training	*	* *

Sub-set totals (top 50)	55,080	64,210	9,130			1,020	1,510	2,530
Overall totals	117,650	134,450	16,800			1,680	2,890	4,570
Percent of overall	47%	48%	54%			61%	52%	55%

Source: Office of Economic Advisors, Wisconsin Department of Workforce Development, September 2004

Projections Methodology: Karin Wells, Economist

Local economist: Bill Brockmiller

608-264-7841

608-785-9337

Karin.Wells@dwd.state.wi.us

William.Brockmiller@dwd.state.wi.us

Occupation Projections for Southwest Wisconsin: 2002 - 2012

50 Fastest Growing, with 200+ employment in 2012

SOC Code	Occupational Title	Estimate employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
29-2071	Medical Records/Health Info Techs	140	230	90	64.3%	10	<5	10	Associate degree	\$22,401	\$8.81 - \$12.62
31-9092	Medical Assts	240	390	150	62.5%	10	10	20	Moderate-term on-the-job training	\$22,417	\$9.53 - \$11.52
31-1011	Home Health Aides	450	700	250	55.6%	30	10	40	Short-term on-the-job training	\$18,876	\$7.97 - \$10.05
39-9021	Personal and Home Care Aides	580	860	280	48.3%	30	10	40	Short-term on-the-job training	\$17,849	\$7.56 - \$9.49
29-2021	Dental Hygienists	140	200	60	42.9%	10	<5	10	Associate degree	\$52,779	\$23.69 - \$27.20
21-1093	Social/Human Service Assts	290	410	120	41.4%	10	10	20	Moderate-term on-the-job training	\$27,047	\$10.96 - \$15.28
15-1051	Computer Systems Analysts	320	450	130	40.6%	10	<5	10	Bachelor's degree	\$55,038	\$20.34 - \$31.63
15-1071	Network/Computer Systems Admin	150	210	60	40.0%	10	<5	10	Bachelor's degree	\$47,215	\$18.71 - \$26.60
25-3021	Self-Enrichment Ed Teachers	150	210	60	40.0%	10	<5	10	Work exp. in a related occupation	\$27,715	\$10.92 - \$15.42
49-9021	Heating/AC/Refrig Mechs/Instlrs	150	210	60	40.0%	10	<5	10	Long-term on-the-job training	\$33,536	\$12.68 - \$18.68
31-9091	Dental Assts	230	320	90	39.1%	10	10	20	Moderate-term on-the-job training	\$23,066	\$9.57 - \$12.67
11-9111	Medical/Health Services Mgrs	160	220	60	37.5%	10	<5	10	Bachelor's degree or more, plus work exp.	\$64,283	\$21.01 - \$32.87
11-2022	Sales Mgrs	190	260	70	36.8%	10	<5	10	Bachelor's degree or more, plus work exp.	\$82,825	\$26.01 - \$53.07
11-3021	Computer/Information Systems Mgrs	150	200	50	33.3%	10	<5	10	Bachelor's degree or more, plus work exp.	\$71,928	\$28.47 - \$41.90
39-9031	Fitness Trainers/Aerobics Instruct	150	200	50	33.3%	<5	<5	<5	Postsecondary vocational training	\$18,601	\$6.82 - \$10.67
29-1051	Pharmacists	160	210	50	31.3%	10	<5	10	First professional degree	\$78,025	\$28.86 - \$42.95
29-2034	Radiologic Technologists/Techs	160	210	50	31.3%	10	<5	10	Associate degree	\$36,843	\$15.02 - \$20.54
29-2052	Pharmacy Techs	160	210	50	31.3%	10	<5	10	Moderate-term on-the-job training	\$22,735	\$9.58 - \$12.56
29-1111	Registered Nurses	2,040	2,670	630	30.9%	60	40	100	Bachelor's or Associate degree (see note 9)	\$49,535	\$20.70 - \$27.04
43-3011	Bill/Account Collectors	200	260	60	30.0%	10	<5	10	Short-term on-the-job training	\$25,308	\$10.66 - \$13.62
15-1041	Computer Support Specialists	270	350	80	29.6%	10	<5	10	Associate degree	\$35,223	\$12.15 - \$20.63
43-4171	Receptionists/Info Clerks	940	1,210	270	28.7%	30	20	50	Short-term on-the-job training	\$20,322	\$8.24 - \$11.03
43-4051	Customer Service Reps	1,540	1,980	440	28.6%	40	20	60	Moderate-term on-the-job training	\$29,556	\$10.46 - \$16.47
25-2011	Preschool Teachers/Ex Special Ed	390	500	110	28.2%	10	10	20	Bachelor's degree	\$19,741	\$7.40 - \$10.56
47-2111	Electricians	640	810	170	26.6%	20	10	30	Long-term on-the-job training	\$53,256	\$22.06 - \$30.36
39-9011	Child Care Wrks	380	480	100	26.3%	10	10	20	Short-term on-the-job training	\$16,905	\$7.08 - \$8.85
53-3022	Bus Drivers/School	380	480	100	26.3%	10	10	20	Short-term on-the-job training	\$25,341	\$9.16 - \$14.30
23-1011	Lawyers	230	290	60	26.1%	10	<5	10	First professional degree	\$91,587	\$25.01 - \$50.65
41-2021	Counter and Rental Clerks	230	290	60	26.1%	10	10	20	Short-term on-the-job training	\$20,561	\$6.61 - \$10.87
25-2012	Kindergarten Tchrs Ex Special Ed	160	200	40	25.0%	<5	<5	<5	Bachelor's degree	\$29,051	-

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		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
29-2041	Emergency Med Techs/Paramedics	240	300	60	25.0%	10	<5	10	Postsecondary vocational training	\$20,746	\$8.62 - \$10.72
53-3021	Bus Drivers/Transit/Intercity	200	250	50	25.0%	10	<5	10	Moderate-term on-the-job training	\$33,676	\$13.33 - \$19.04
41-4012	Sls Reps/Whlsl/Mfg/Ex Tech/Sci Prod	1,500	1,870	370	24.7%	40	40	80	Moderate-term on-the-job training	\$38,656	\$12.39 - \$21.57
31-1012	Nursing Aides/Orderlies/Attendants	1,680	2,090	410	24.4%	40	20	60	Short-term on-the-job training	\$20,054	\$8.29 - \$10.85
33-9032	Security Guards	460	570	110	23.9%	10	10	20	Short-term on-the-job training	\$19,844	\$7.69 - \$10.86
25-2041	Sp Ed Tchrs/Presch/Kind/Elem Schl	170	210	40	23.5%	<5	<5	<5	Bachelor's degree	\$41,674	-
39-5012	Hairdress/Hairstyl/Cosmetologists	430	530	100	23.3%	10	10	20	Postsecondary vocational training	\$22,200	\$8.38 - \$13.09
49-3031	Bus/Truck Mechs/Diesel Engn Spec	390	480	90	23.1%	10	10	20	Postsecondary vocational training	\$35,582	\$13.52 - \$20.17
47-2152	Plumbers/Pipefitters/Steamfitters	450	550	100	22.2%	10	10	20	Long-term on-the-job training	\$43,283	\$15.81 - \$28.45
53-3032	Truck Drivers/Heavy/Tractor-Trailer	2,280	2,780	500	21.9%	50	40	90	Moderate-term on-the-job training	\$34,619	\$13.46 - \$19.54
47-2211	Sheet Metal Wrks	230	280	50	21.7%	10	10	20	Moderate-term on-the-job training	\$45,248	\$16.01 - \$29.15
47-2031	Carpenters	880	1,070	190	21.6%	20	10	30	Long-term on-the-job training	\$32,772	\$12.41 - \$18.61
41-1012	F-L Sups/Mgrs of nonRtl Sls Wrks	190	230	40	21.1%	<5	<5	<5	Work exp. in a related occupation	\$55,701	\$16.25 - \$33.73
53-1021	F-L Sups/Mgrs Help/Lab/Matrl Movrs	190	230	40	21.1%	<5	10	10	Work exp. in a related occupation	\$42,708	\$14.42 - \$25.11
53-7064	Packers/Packagers/Hand	1,330	1,610	280	21.1%	30	30	60	Short-term on-the-job training	\$21,520	\$7.79 - \$13.00
13-2011	Accountants and Auditors	630	760	130	20.6%	10	10	20	Bachelor's degree	\$46,833	\$13.73 - \$27.47
47-2061	Construction Laborers	540	650	110	20.4%	10	10	20	Moderate-term on-the-job training	\$37,974	\$11.48 - \$24.63
Also included in the top fifty but not shown to protect the confidentiality of employers are the following occupations:											-
43-4151	Order Clerks	*	*	*	*	60	40	100	Short-term on-the-job training	*	* *
25-1071	Health Specialties Teachers Ps	*	*	*	*	10	<5	10	Master's degree	*	* *
25-1194	Vocational Ed Teachers/Postsec	*	*	*	*	10	<5	10	Work exp. in a related occupation	*	* *
Sub-set totals (top 50)		23,160	29,680	6,520		780	440	1,220			
Overall totals		117,650	134,450	16,800		1,680	2,890	4,570			
Percent of overall		20%	22%	39%		46%	15%	27%			

Source: Office of Economic Advisors, Wisconsin Department of Workforce Development, September 2004

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608-785-9337

Karin.Wells@dwd.state.wi.us

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Occupation Projections for Southwest Wisconsin: 2002 - 2012

Top 50 Occupations with Most Replacement Openings

SOC Code	Occupational Title	Estimate employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
41-2011	Cashiers	3,330	3,660	330	9.9%	30	160	190	Short-term on-the-job training	\$16,642	\$6.66 - \$9.04
41-2031	Retail Salespersons	3,790	4,230	440	11.6%	40	140	180	Short-term on-the-job training	\$22,097	\$6.89 - \$11.76
35-3031	Waiters/Waitresses	2,040	2,320	280	13.7%	30	110	140	Short-term on-the-job training	\$14,336	\$5.92 - \$7.06
35-3021	Comb Food Prep/Serv Wrk/Incl Fast	1,930	2,310	380	19.7%	40	80	120	Short-term on-the-job training	\$14,518	\$6.10 - \$7.86
53-7062	Labrs/Frght/Stock/Matrl Movers/Hand	2,260	2,420	160	7.1%	20	70	90	Short-term on-the-job training	\$23,199	\$9.17 - \$12.97
51-2092	Team Assemblers	2,530	2,440	-90	-3.6%	<5	70	70	Moderate-term on-the-job training	\$26,397	\$9.76 - \$15.89
43-5081	Stock Clerks/Order Fillers	1,530	1,490	-40	-2.6%	<5	60	60	Short-term on-the-job training	\$20,579	\$7.53 - \$11.80
29-1111	Registered Nurses	2,040	2,670	630	30.9%	60	40	100	Bachelor's or Associate degree (see note 9)	\$49,535	\$20.70 - \$27.04
53-3032	Truck Drivers/Heavy/Tractor-Trailer	2,280	2,780	500	21.9%	50	40	90	Moderate-term on-the-job training	\$34,619	\$13.46 - \$19.54
41-4012	Sls Reps/Whlsl/Mfg/Ex Tech/Sci Prod	1,500	1,870	370	24.7%	40	40	80	Moderate-term on-the-job training	\$38,656	\$12.39 - \$21.57
37-2011	Janitors/Cleanrs Ex Maids/Hskpng	1,870	2,140	270	14.4%	30	40	70	Short-term on-the-job training	\$20,749	\$7.74 - \$11.75
43-9061	Office Clerks/General	1,860	2,040	180	9.7%	20	40	60	Short-term on-the-job training	\$22,045	\$8.73 - \$12.50
35-3011	Bartenders	940	990	50	5.3%	10	40	50	Short-term on-the-job training	\$15,702	\$6.73 - \$8.38
53-7064	Packers/Packagers/Hand	1,330	1,610	280	21.1%	30	30	60	Short-term on-the-job training	\$21,520	\$7.79 - \$13.00
43-3031	Bookkeep/Account/Auditing Clerks	1,630	1,700	70	4.3%	10	30	40	Moderate-term on-the-job training	\$25,616	\$9.78 - \$14.26
25-2021	Elemen Schl Tchrs Ex Special Ed	1,220	1,340	120	9.8%	10	30	40	Bachelor's degree	\$35,959	-
25-2031	Secondary Schl Tchrs Ex Sp/Voc Ed	1,020	1,160	140	13.7%	10	30	40	Bachelor's degree	\$38,378	-
43-3071	Tellers	570	650	80	14.0%	10	30	40	Short-term on-the-job training	\$19,778	\$8.38 - \$10.42
43-6014	Secretaries/Ex Legal/Medical/Exec	1,600	1,500	-100	-6.3%	<5	30	30	Moderate-term on-the-job training	\$23,909	\$9.65 - \$13.25
31-1012	Nursing Aides/Orderlies/Attendants	1,680	2,090	410	24.4%	40	20	60	Short-term on-the-job training	\$20,054	\$8.29 - \$10.85
43-4051	Customer Service Reps	1,540	1,980	440	28.6%	40	20	60	Moderate-term on-the-job training	\$29,556	\$10.46 - \$16.47
43-4171	Receptionists/Info Clerks	940	1,210	270	28.7%	30	20	50	Short-term on-the-job training	\$20,322	\$8.24 - \$11.03
11-1021	General and Operations Mgrs	1,170	1,340	170	14.5%	20	20	40	Bachelor's degree or more, plus work exp.	\$71,795	\$20.12 - \$41.59
49-9042	Maint/Repair Wrksr/General	1,090	1,270	180	16.5%	20	20	40	Long-term on-the-job training	\$30,948	\$10.94 - \$17.95
25-9041	Teacher Assts	1,040	1,210	170	16.3%	20	20	40	Associate degree	\$19,265	-
43-6011	Executive Secretaries/Admin Assts	1,170	1,250	80	6.8%	10	20	30	Moderate-term on-the-job training	\$28,349	\$10.52 - \$16.38
43-1011	First-Line Sups/Mgrs-Offc/Admin Supp Wrk	1,100	1,190	90	8.2%	10	20	30	Work exp. in a related occupation	\$38,641	\$14.23 - \$21.81
41-1011	F-L Sups/Mgrs of Rtl Sls Wrks	1,020	1,160	140	13.7%	10	20	30	Work exp. in a related occupation	\$35,581	\$10.83 - \$20.39
51-1011	First-Line Sups/Mgrs of Prdn/Operat Wrks	980	1,100	120	12.2%	10	20	30	Work exp. in a related occupation	\$47,740	\$16.17 - \$27.36
37-2012	Maids/Housekpng Cleaners	840	980	140	16.7%	10	20	30	Short-term on-the-job training	\$16,523	\$7.15 - \$8.68

Occupation Projections for Southwest Wisconsin: 2002 - 2012

Top 50 Occupations with Most Replacement Openings

SOC Code	Occupational Title	Estimate employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
53-7051	Industrial Truck/Tractor Oprs	840	960	120	14.3%	10	20	30	Short-term on-the-job training	\$27,829	\$11.48 - \$14.54
49-3023	Automotive Service Techs/Mechanics	700	770	70	10.0%	10	20	30	Postsecondary vocational training	\$32,046	\$11.11 - \$20.17
35-2021	Food Prep Wrkrs	660	770	110	16.7%	10	20	30	Short-term on-the-job training	\$17,998	\$7.61 - \$9.87
33-3051	Police/Sheriff's Patrol Officers	570	680	110	19.3%	10	20	30	Long-term on-the-job training	\$39,557	\$16.23 - \$21.63
51-4121	Welders/Cutters/Solderers/Brazers	550	640	90	16.4%	10	20	30	Postsecondary vocational training	\$35,352	\$13.89 - \$20.34
35-2014	Cooks/Restaurant	550	620	70	12.7%	10	20	30	Long-term on-the-job training	\$18,009	\$7.38 - \$9.59
25-2022	Middle School Tchrs/Ex Sp./Voc Ed	740	770	30	4.1%	<5	20	20	Bachelor's degree	\$40,892	-
51-9198	Helpers--Production Wrkrs	610	630	20	3.3%	<5	20	20	Short-term on-the-job training	\$22,239	\$8.95 - \$12.69
35-9021	Dishwashers	570	590	20	3.5%	<5	20	20	Short-term on-the-job training	\$15,038	\$6.22 - \$8.13
35-2011	Cooks/Fast Food	540	550	10	1.9%	<5	20	20	Short-term on-the-job training	\$14,565	\$6.07 - \$7.89
35-3022	Cntr Atts/Cafeter/Fd Conc/Coff Shop	320	360	40	12.5%	<5	20	20	Short-term on-the-job training	\$15,036	\$6.23 - \$8.17
39-9021	Personal and Home Care Aides	580	860	280	48.3%	30	10	40	Short-term on-the-job training	\$17,849	\$7.56 - \$9.49
31-1011	Home Health Aides	450	700	250	55.6%	30	10	40	Short-term on-the-job training	\$18,876	\$7.97 - \$10.05
53-3033	Truck Drivers/Light or Delivery Svcs	1,110	1,320	210	18.9%	20	10	30	Short-term on-the-job training	\$22,149	\$8.09 - \$12.81
47-2031	Carpenters	880	1,070	190	21.6%	20	10	30	Long-term on-the-job training	\$32,772	\$12.41 - \$18.61
47-2111	Electricians	640	810	170	26.6%	20	10	30	Long-term on-the-job training	\$53,256	\$22.06 - \$30.36
13-2011	Accountants and Auditors	630	760	130	20.6%	10	10	20	Bachelor's degree	\$46,833	\$13.73 - \$27.47
51-9111	Packagng/Fillng Machn Oprs/Tendrs	640	720	80	12.5%	10	10	20	Short-term on-the-job training	\$24,162	\$9.65 - \$13.58

Also included in the top fifty but not shown to protect the confidentiality of employers are the following occupations:

43-4151	Order Clerks	1,680	2,250	570	33.9%	60	40	100	Short-term on-the-job training	*	* *
43-5071	Shipping/Receiving/Traffic Clerks	1,320	1,500	180	13.6%	20	30	50	Short-term on-the-job training	*	* *

Sub-set totals (top 50)	62,420	71,430	9,010			940	1,690	2,630
Overall totals	117,650	134,450	16,800			1,680	2,890	4,570
Percent of overall	53%	53%	54%			56%	58%	58%

Source: Office of Economic Advisors, Wisconsin Department of Workforce Development, September 2004

Projections Methodology: Karin Wells, Economist

608-264-7841

Karin.Wells@dwd.state.wi.us

Local economist: Bill Brockmiller

608-785-9337

William.Brockmiller@dwd.state.wi.us

Occupation Projections for Southwest Wisconsin: 2002 - 2012

Top 50 Occupations with the Most Job Openings

SOC Code	Occupational Title	Estimate employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
41-2011	Cashiers	3,330	3,660	330	9.9%	30	160	190	Short-term on-the-job training	\$16,642	\$6.66 - \$9.04
41-2031	Retail Salespersons	3,790	4,230	440	11.6%	40	140	180	Short-term on-the-job training	\$22,097	\$6.89 - \$11.76
35-3031	Waiters/Waitresses	2,040	2,320	280	13.7%	30	110	140	Short-term on-the-job training	\$14,336	\$5.92 - \$7.06
35-3021	Comb Food Prep/Serv Wrk/Incl Fast	1,930	2,310	380	19.7%	40	80	120	Short-term on-the-job training	\$14,518	\$6.10 - \$7.86
29-1111	Registered Nurses	2,040	2,670	630	30.9%	60	40	100	Bachelor's or Associate degree (see note 9)	\$49,535	\$20.70 - \$27.04
53-3032	Truck Drivers/Heavy/Tractor-Trailer	2,280	2,780	500	21.9%	50	40	90	Moderate-term on-the-job training	\$34,619	\$13.46 - \$19.54
53-7062	Labrs/Frght/Stock/Matrl Movers/Hand	2,260	2,420	160	7.1%	20	70	90	Short-term on-the-job training	\$23,199	\$9.17 - \$12.97
41-4012	Sls Reps/Whlsl/Mfg/Ex Tech/Sci Prod	1,500	1,870	370	24.7%	40	40	80	Moderate-term on-the-job training	\$38,656	\$12.39 - \$21.57
51-2092	Team Assemblers	2,530	2,440	-90	-3.6%	<5	70	70	Moderate-term on-the-job training	\$26,397	\$9.76 - \$15.89
37-2011	Janitors/Cleanrs Ex Maids/Hskpng	1,870	2,140	270	14.4%	30	40	70	Short-term on-the-job training	\$20,749	\$7.74 - \$11.75
31-1012	Nursing Aides/Orderlies/Attendants	1,680	2,090	410	24.4%	40	20	60	Short-term on-the-job training	\$20,054	\$8.29 - \$10.85
43-9061	Office Clerks/General	1,860	2,040	180	9.7%	20	40	60	Short-term on-the-job training	\$22,045	\$8.73 - \$12.50
43-4051	Customer Service Reps	1,540	1,980	440	28.6%	40	20	60	Moderate-term on-the-job training	\$29,556	\$10.46 - \$16.47
53-7064	Packers/Packagers/Hand	1,330	1,610	280	21.1%	30	30	60	Short-term on-the-job training	\$21,520	\$7.79 - \$13.00
43-5081	Stock Clerks/Order Fillers	1,530	1,490	-40	-2.6%	<5	60	60	Short-term on-the-job training	\$20,579	\$7.53 - \$11.80
43-4171	Receptionists/Info Clerks	940	1,210	270	28.7%	30	20	50	Short-term on-the-job training	\$20,322	\$8.24 - \$11.03
35-3011	Bartenders	940	990	50	5.3%	10	40	50	Short-term on-the-job training	\$15,702	\$6.73 - \$8.38
43-3031	Bookkeep/Account/Auditing Clerks	1,630	1,700	70	4.3%	10	30	40	Moderate-term on-the-job training	\$25,616	\$9.78 - \$14.26
25-2021	Elemen Schl Tchrs Ex Special Ed	1,220	1,340	120	9.8%	10	30	40	Bachelor's degree	\$35,959	-
11-1021	General and Operations Mgrs	1,170	1,340	170	14.5%	20	20	40	Bachelor's degree or more, plus work exp.	\$71,795	\$20.12 - \$41.59
49-9042	Maint/Repair Wrks/General	1,090	1,270	180	16.5%	20	20	40	Long-term on-the-job training	\$30,948	\$10.94 - \$17.95
25-9041	Teacher Assts	1,040	1,210	170	16.3%	20	20	40	Associate degree	\$19,265	-
25-2031	Secondary Schl Tchrs Ex Sp/Voc Ed	1,020	1,160	140	13.7%	10	30	40	Bachelor's degree	\$38,378	-
39-9021	Personal and Home Care Aides	580	860	280	48.3%	30	10	40	Short-term on-the-job training	\$17,849	\$7.56 - \$9.49
31-1011	Home Health Aides	450	700	250	55.6%	30	10	40	Short-term on-the-job training	\$18,876	\$7.97 - \$10.05
43-3071	Tellers	570	650	80	14.0%	10	30	40	Short-term on-the-job training	\$19,778	\$8.38 - \$10.42
43-6014	Secretaries/Ex Legal/Medical/Exec	1,600	1,500	-100	-6.3%	<5	30	30	Moderate-term on-the-job training	\$23,909	\$9.65 - \$13.25
53-3033	Truck Drivers/Light or Delivery Svcs	1,110	1,320	210	18.9%	20	10	30	Short-term on-the-job training	\$22,149	\$8.09 - \$12.81
43-6011	Executive Secretaries/Admin Assts	1,170	1,250	80	6.8%	10	20	30	Moderate-term on-the-job training	\$28,349	\$10.52 - \$16.38
43-1011	First-Line Sups/Mgrs-Offc/Admin Supp Wrk	1,100	1,190	90	8.2%	10	20	30	Work exp. in a related occupation	\$38,641	\$14.23 - \$21.81

Occupation Projections for Southwest Wisconsin: 2002 - 2012

Top 50 Occupations with the Most Job Openings

SOC Code	Occupational Title	Estimate employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
41-1011	F-L Sups/Mgrs of Rtl Sls Wrks	1,020	1,160	140	13.7%	10	20	30	Work exp. in a related occupation	\$35,581	\$10.83 - \$20.39
51-1011	First-Line Sups/Mgrs of Prdn/Operat Wrks	980	1,100	120	12.2%	10	20	30	Work exp. in a related occupation	\$47,740	\$16.17 - \$27.36
47-2031	Carpenters	880	1,070	190	21.6%	20	10	30	Long-term on-the-job training	\$32,772	\$12.41 - \$18.61
37-2012	Maids/Housekpng Cleaners	840	980	140	16.7%	10	20	30	Short-term on-the-job training	\$16,523	\$7.15 - \$8.68
53-7051	Industrial Truck/Tractor Oprs	840	960	120	14.3%	10	20	30	Short-term on-the-job training	\$27,829	\$11.48 - \$14.54
47-2111	Electricians	640	810	170	26.6%	20	10	30	Long-term on-the-job training	\$53,256	\$22.06 - \$30.36
49-3023	Automotive Service Techs/Mechanics	700	770	70	10.0%	10	20	30	Postsecondary vocational training	\$32,046	\$11.11 - \$20.17
35-2021	Food Prep Wrks	660	770	110	16.7%	10	20	30	Short-term on-the-job training	\$17,998	\$7.61 - \$9.87
33-3051	Police/Sheriff's Patrol Officers	570	680	110	19.3%	10	20	30	Long-term on-the-job training	\$39,557	\$16.23 - \$21.63
51-4121	Welders/Cutters/Solderers/Brazers	550	640	90	16.4%	10	20	30	Postsecondary vocational training	\$35,352	\$13.89 - \$20.34
35-2014	Cooks/Restaurant	550	620	70	12.7%	10	20	30	Long-term on-the-job training	\$18,009	\$7.38 - \$9.59
25-2022	Middle School Tchrs/Ex Sp./Voc Ed	740	770	30	4.1%	<5	20	20	Bachelor's degree	\$40,892	-
13-2011	Accountants and Auditors	630	760	130	20.6%	10	10	20	Bachelor's degree	\$46,833	\$13.73 - \$27.47
51-9111	Packagng/Fillng Machn Oprs/Tendrs	640	720	80	12.5%	10	10	20	Short-term on-the-job training	\$24,162	\$9.65 - \$13.58
37-3011	Landscaping/Grndskpng Wrks	570	680	110	19.3%	10	10	20	Short-term on-the-job training	\$20,023	\$7.60 - \$10.87
51-9061	Inspect/Test/Sort/Sample/Weighers	590	660	70	11.9%	10	10	20	Moderate-term on-the-job training	\$30,900	\$11.42 - \$17.33
47-2061	Construction Laborers	540	650	110	20.4%	10	10	20	Moderate-term on-the-job training	\$37,974	\$11.48 - \$24.63
35-1012	F-L Sups/Mgrs Food Prep/Srv Wrks	570	640	70	12.3%	10	10	20	Work exp. in a related occupation	\$22,592	\$8.15 - \$13.18

Also included in the top fifty but not shown to protect the confidentiality of employers are the following occupations:

43-4151	Order Clerks	*	*	*	*	60	40	100	Short-term on-the-job training	*	* *
43-5071	Shipping/Receiving/Traffic Clerks	*	*	*	*	20	30	50	Short-term on-the-job training	*	* *

Sub-set totals (top 50)	59,650	68,180	8,530		980	1,650	2,630
Overall totals	117,650	134,450	16,800		1,680	2,890	4,570
Percent of overall	51%	51%	51%		58%	57%	58%

Source: Office of Economic Advisors, Wisconsin Department of Workforce Development, September 2004

Projections Methodology: Karin Wells, Economist

Local economist: Bill Brockmiller

608-264-7841

608-785-9337

Karin.Wells@dwd.state.wi.us

William.Brockmiller@dwd.state.wi.us

Occupation Projections for Southwest Wisconsin: 2002 - 2012

32 Occupations Losing Most Jobs (there are not 50)

SOC Code	Occupational Title	Estimate employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
43-6014	Secretaries/Ex Legal/Medical/Exec	1,600	1,500	-100	-6.3%	<5	30	30	Moderate-term on-the-job training	\$23,909	\$9.65 - \$13.25
51-2092	Team Assemblers	2,530	2,440	-90	-3.6%	<5	70	70	Moderate-term on-the-job training	\$26,397	\$9.76 - \$15.89
43-9022	Word Processors/Typists	160	90	-70	-43.8%	<5	<5	<5	Moderate-term on-the-job training	\$24,330	\$10.07 - \$13.46
51-2022	Electrical/Electronic Equipmnt Assemblers	350	300	-50	-14.3%	<5	10	10	Short-term on-the-job training	\$24,989	\$8.15 - \$13.37
43-5081	Stock Clerks/Order Fillers	1,530	1,490	-40	-2.6%	<5	60	60	Short-term on-the-job training	\$20,579	\$7.53 - \$11.80
51-9023	Mix/Blend Machn Settrs/Oprs/Tendrs	160	130	-30	-18.8%	<5	<5	<5	Moderate-term on-the-job training	\$27,772	\$10.13 - \$15.52
51-2031	Engine/Other Machn Assemblers	300	280	-20	-6.7%	<5	10	10	Short-term on-the-job training	\$36,714	\$14.91 - \$20.22
43-5053	PS Mail Sort/Proc/Proc Machn Oprs	200	180	-20	-10.0%	<5	10	10	Short-term on-the-job training	\$32,326	\$11.25 - \$19.44
41-9041	Telemarketers	190	170	-20	-10.5%	<5	<5	<5	Short-term on-the-job training	\$20,803	\$8.40 - \$10.91
43-9011	Computer Oprs	120	100	-20	-16.7%	<5	<5	<5	Moderate-term on-the-job training	\$31,671	\$10.46 - \$16.86
43-4131	Loan Interviewers/Clerks	110	90	-20	-18.2%	<5	<5	<5	Short-term on-the-job training	\$27,546	\$10.48 - \$15.17
35-2012	Cooks/Institution/Cafeteria	350	340	-10	-2.9%	<5	10	10	Long-term on-the-job training	\$20,383	\$8.22 - \$10.96
51-4033	Grind/Lap/Polish/Buf Set/Op/Tnd/M/P	180	170	-10	-5.6%	<5	<5	<5	Moderate-term on-the-job training	\$28,702	\$10.78 - \$16.70
51-5022	Prepress Techs/Wrks	80	70	-10	-12.5%	<5	<5	<5	Long-term on-the-job training	\$22,422	\$8.19 - \$13.00
43-5021	Couriers/Messengers	70	60	-10	-14.3%	<5	<5	<5	Short-term on-the-job training	\$19,082	\$7.88 - \$9.96
49-2022	Telecm Eqp Inst/Reprsr/Ex Line Inst	70	60	-10	-14.3%	<5	<5	<5	Postsecondary vocational training	\$41,632	\$18.66 - \$21.76
27-3010	Announcers	50	40	-10	-20.0%	<5	<5	<5	Long-term on-the-job training	\$20,971	\$6.48 - \$12.24
43-5041	Meter Readers/Utilities	50	40	-10	-20.0%	<5	<5	<5	Short-term on-the-job training	\$35,129	\$15.21 - \$18.22
41-3041	Travel Agents	40	30	-10	-25.0%	<5	<5	<5	Postsecondary vocational training	\$31,156	\$12.42 - \$17.63
43-4041	Credit Authorizers/Checkers/Clerks	40	30	-10	-25.0%	<5	<5	<5	Short-term on-the-job training	\$31,630	\$11.17 - \$22.24
51-4194	Tool Grinders/Filers/Sharpeners	40	30	-10	-25.0%	<5	<5	<5	Moderate-term on-the-job training	\$35,360	\$13.82 - \$17.97

Also included in the top 32 but not shown to protect the confidentiality of employers are the following occupations:

51-6063	Textl Knit/Weav Mchn Set/Op/Tndrs	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* _ *
11-1031	Legislators	*	*	*	*	<5	<5	<5	Bachelor's degree or more, plus work exp.	*	* _ *
51-2021	Coil Winders/Tapers/Finishers	*	*	*	*	<5	10	10	Short-term on-the-job training	*	* _ *
51-2023	Electromechanical Equipmnt Assemblers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* _ *
43-4061	Eligibility Interviewers/Gov't Progrms	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* _ *
43-4011	Brokerage Clerks	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* _ *
51-6061	Textl Bleach/Dye Mchn Ops/Tndrs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* _ *

Occupation Projections for Southwest Wisconsin: 2002 - 2012

32 Occupations Losing Most Jobs (there are not 50)

SOC Code	Occupational Title	Estimate employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
51-6064	Textl Wind/Twist/Draw Set/Op/Tndrs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-9132	Photographic Processng Mchn Oprs	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
43-2021	Telephone Oprs	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
51-7032	Patternmakers/Wood	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *

Source: Office of Economic Advisors, Wisconsin Department of Workforce Development, September 2004

Projections Methodology: Karin Wells, Economist

Local economist: Bill Brockmiller

608-264-7841

608-785-9337

Karin.Wells@dwd.state.wi.us

William.Brockmiller@dwd.state.wi.us

Occupation Projections for Southwest Wisconsin: 2002 - 2012

Top 50 Occupations with Most Jobs in 2012

SOC Code	Occupational Title	Estimate employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
41-2031	Retail Salespersons	3,790	4,230	440	11.6%	40	140	180	Short-term on-the-job training	\$22,097	\$6.89 - \$11.76
41-2011	Cashiers	3,330	3,660	330	9.9%	30	160	190	Short-term on-the-job training	\$16,642	\$6.66 - \$9.04
53-3032	Truck Drivers/Heavy/Tractor-Trailer	2,280	2,780	500	21.9%	50	40	90	Moderate-term on-the-job training	\$34,619	\$13.46 - \$19.54
29-1111	Registered Nurses	2,040	2,670	630	30.9%	60	40	100	Bachelor's or Associate degree (see note 9)	\$49,535	\$20.70 - \$27.04
51-2092	Team Assemblers	2,530	2,440	-90	-3.6%	<5	70	70	Moderate-term on-the-job training	\$26,397	\$9.76 - \$15.89
53-7062	Labrs/Frght/Stock/Matrl Movers/Hand	2,260	2,420	160	7.1%	20	70	90	Short-term on-the-job training	\$23,199	\$9.17 - \$12.97
35-3031	Waiters/Waitresses	2,040	2,320	280	13.7%	30	110	140	Short-term on-the-job training	\$14,336	\$5.92 - \$7.06
35-3021	Comb Food Prep/Serv Wrk/Incl Fast	1,930	2,310	380	19.7%	40	80	120	Short-term on-the-job training	\$14,518	\$6.10 - \$7.86
37-2011	Janitors/Cleanrs Ex Maids/Hskpng	1,870	2,140	270	14.4%	30	40	70	Short-term on-the-job training	\$20,749	\$7.74 - \$11.75
31-1012	Nursing Aides/Orderlies/Attendants	1,680	2,090	410	24.4%	40	20	60	Short-term on-the-job training	\$20,054	\$8.29 - \$10.85
43-9061	Office Clerks/General	1,860	2,040	180	9.7%	20	40	60	Short-term on-the-job training	\$22,045	\$8.73 - \$12.50
43-4051	Customer Service Reps	1,540	1,980	440	28.6%	40	20	60	Moderate-term on-the-job training	\$29,556	\$10.46 - \$16.47
41-4012	Sls Reps/Whls/Mfg/Ex Tech/Sci Prod	1,500	1,870	370	24.7%	40	40	80	Moderate-term on-the-job training	\$38,656	\$12.39 - \$21.57
43-3031	Bookkeep/Account/Auditing Clerks	1,630	1,700	70	4.3%	10	30	40	Moderate-term on-the-job training	\$25,616	\$9.78 - \$14.26
53-7064	Packers/Packagers/Hand	1,330	1,610	280	21.1%	30	30	60	Short-term on-the-job training	\$21,520	\$7.79 - \$13.00
43-6014	Secretaries/Ex Legal/Medical/Exec	1,600	1,500	-100	-6.3%	<5	30	30	Moderate-term on-the-job training	\$23,909	\$9.65 - \$13.25
43-5081	Stock Clerks/Order Fillers	1,530	1,490	-40	-2.6%	<5	60	60	Short-term on-the-job training	\$20,579	\$7.53 - \$11.80
25-2021	Elemen Schl Tchrs Ex Special Ed	1,220	1,340	120	9.8%	10	30	40	Bachelor's degree	\$35,959	-
11-1021	General and Operations Mgrs	1,170	1,340	170	14.5%	20	20	40	Bachelor's degree or more, plus work exp.	\$71,795	\$20.12 - \$41.59
53-3033	Truck Drivers/Light or Delivery Srvc	1,110	1,320	210	18.9%	20	10	30	Short-term on-the-job training	\$22,149	\$8.09 - \$12.81
49-9042	Maint/Repair Wrks/General	1,090	1,270	180	16.5%	20	20	40	Long-term on-the-job training	\$30,948	\$10.94 - \$17.95
43-6011	Executive Secretaries/Admin Assts	1,170	1,250	80	6.8%	10	20	30	Moderate-term on-the-job training	\$28,349	\$10.52 - \$16.38
25-9041	Teacher Assts	1,040	1,210	170	16.3%	20	20	40	Associate degree	\$19,265	-
43-4171	Receptionists/Info Clerks	940	1,210	270	28.7%	30	20	50	Short-term on-the-job training	\$20,322	\$8.24 - \$11.03
43-1011	First-Line Sups/Mgrs-Offc/Admin Supp Wrk	1,100	1,190	90	8.2%	10	20	30	Work exp. in a related occupation	\$38,641	\$14.23 - \$21.81
25-2031	Secondary Schl Tchrs Ex Sp/Voc Ed	1,020	1,160	140	13.7%	10	30	40	Bachelor's degree	\$38,378	-
41-1011	F-L Sups/Mgrs of Rtl Sls Wrks	1,020	1,160	140	13.7%	10	20	30	Work exp. in a related occupation	\$35,581	\$10.83 - \$20.39
51-1011	First-Line Sups/Mgrs of Prdn/Operat Wrks	980	1,100	120	12.2%	10	20	30	Work exp. in a related occupation	\$47,740	\$16.17 - \$27.36
47-2031	Carpenters	880	1,070	190	21.6%	20	10	30	Long-term on-the-job training	\$32,772	\$12.41 - \$18.61
35-3011	Bartenders	940	990	50	5.3%	10	40	50	Short-term on-the-job training	\$15,702	\$6.73 - \$8.38

Occupation Projections for Southwest Wisconsin: 2002 - 2012

Top 50 Occupations with Most Jobs in 2012

SOC Code	Occupational Title	Estimate employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
37-2012	Maids/Housekeeping Cleaners	840	980	140	16.7%	10	20	30	Short-term on-the-job training	\$16,523	\$7.15 - \$8.68
53-7051	Industrial Truck/Tractor Oprs	840	960	120	14.3%	10	20	30	Short-term on-the-job training	\$27,829	\$11.48 - \$14.54
39-9021	Personal and Home Care Aides	580	860	280	48.3%	30	10	40	Short-term on-the-job training	\$17,849	\$7.56 - \$9.49
47-2111	Electricians	640	810	170	26.6%	20	10	30	Long-term on-the-job training	\$53,256	\$22.06 - \$30.36
25-2022	Middle School Tchrs/Ex Sp./Voc Ed	740	770	30	4.1%	<5	20	20	Bachelor's degree	\$40,892	-
49-3023	Automotive Service Techs/Mechanics	700	770	70	10.0%	10	20	30	Postsecondary vocational training	\$32,046	\$11.11 - \$20.17
35-2021	Food Prep Wrks	660	770	110	16.7%	10	20	30	Short-term on-the-job training	\$17,998	\$7.61 - \$9.87
13-2011	Accountants and Auditors	630	760	130	20.6%	10	10	20	Bachelor's degree	\$46,833	\$13.73 - \$27.47
51-9111	Packagng/Filling Machn Oprs/Tendrs	640	720	80	12.5%	10	10	20	Short-term on-the-job training	\$24,162	\$9.65 - \$13.58
31-1011	Home Health Aides	450	700	250	55.6%	30	10	40	Short-term on-the-job training	\$18,876	\$7.97 - \$10.05
33-3051	Police/Sheriff's Patrol Officers	570	680	110	19.3%	10	20	30	Long-term on-the-job training	\$39,557	\$16.23 - \$21.63
37-3011	Landscaping/Grndskpng Wrks	570	680	110	19.3%	10	10	20	Short-term on-the-job training	\$20,023	\$7.60 - \$10.87
51-9061	Inspect/Test/Sort/Sample/Weighers	590	660	70	11.9%	10	10	20	Moderate-term on-the-job training	\$30,900	\$11.42 - \$17.33
43-3071	Tellers	570	650	80	14.0%	10	30	40	Short-term on-the-job training	\$19,778	\$8.38 - \$10.42
47-2061	Construction Laborers	540	650	110	20.4%	10	10	20	Moderate-term on-the-job training	\$37,974	\$11.48 - \$24.63
35-1012	F-L Sups/Mgrs Food Prep/Srv Wrks	570	640	70	12.3%	10	10	20	Work exp. in a related occupation	\$22,592	\$8.15 - \$13.18
51-4121	Welders/Cutters/Solderers/Brazers	550	640	90	16.4%	10	20	30	Postsecondary vocational training	\$35,352	\$13.89 - \$20.34
51-9198	Helpers--Production Wrks	610	630	20	3.3%	<5	20	20	Short-term on-the-job training	\$22,239	\$8.95 - \$12.69

Also included in the top fifty but not shown to protect the confidentiality of employers are the following occupations:

43-4151	Order Clerks	*	*	*	*	60	40	100	Short-term on-the-job training	*	* *
43-5071	Shipping/Receiving/Traffic Clerks	*	*	*	*	20	30	50	Short-term on-the-job training	*	* *

Sub-set totals (top 50)	59,710	68,190	8,480		970	1,650	2,620
Overall totals	117,650	134,450	16,800		1,680	2,890	4,570
Percent of overall	51%	51%	50%		58%	57%	57%

Source: Office of Economic Advisors, Wisconsin Department of Workforce Development, September 2004

Projections Methodology: Karin Wells, Economist

Local economist: Bill Brockmiller

608-264-7841

608-785-9337

Karin.Wells@dwd.state.wi.us

William.Brockmiller@dwd.state.wi.us

Education or training path for occupations in Southwest Wisconsin WDA

Typical education or training path	Number of Occupations included	Estimate employment		Change		Annual average		
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings
All occupations	730	117,650	134,450	16,800	14%	1,690	2,930	4,620
Associate degree	33	3,050	3,780	730	24%	70	60	130
Bachelor's degree	104	13,600	16,430	2,830	21%	280	280	560
Master's degree	36	2,140	2,550	410	19%	40	50	90
First professional degree	16	970	1,230	260	27%	30	20	50
Doctoral degree	40	890	1,170	280	31%	30	20	50
Long-term on-the-job training	81	8,720	9,890	1,170	13%	120	200	320
Moderate-term on-the-job training	163	27,750	30,220	2,470	9%	250	600	850
Short-term on-the-job training	134	45,240	51,500	6,260	14%	630	1,370	2,000
Bachelor's degree or more, plus work exp.	30	3,720	4,360	640	17%	60	70	130
Work exp. in a related occupation	42	6,730	7,690	960	14%	100	150	250
Postsecondary vocational training	51	4,840	5,630	790	16%	80	110	190

Notes:

- (1) **Employment** is rounded to the nearest ten. Totals may not add due to rounding. Employment does not include self-employed, unpaid family workers, or railroad employees.
- (2) **Replacements** are an estimate of the number of job openings expected because people have permanently left a given occupation. Permanent exits occur if someone dies, retires, or otherwise leaves the labor force. Permanent exits also include openings resulting from someone permanently changing occupations. For example, a person leaves their job as a cashier and becomes a truck driver.
Openings resulting from people changing employers, but staying in the same occupation are not included.
- (3) **Total** openings are the sum of new jobs and replacements.
- (4) **Typical Education and Training Path** gives a general indication of the education or training typically needed in the occupation.

There may be other pathways into the occupation, as well as additional educational, training, or licensing requirements.

Short-Term On-the-Job Training: These occupations require no more than one month of on-the-job training and the training usually happens at the workplace.

Moderate-Term On-the-Job Training: Training for these occupations usually occurs at the workplace and lasts from one to twelve months.

Long-Term On-the-Job Training: These occupations require more than one year of on-the-job training, or combined work experience and classroom instruction.

Work Experience in Related Occupation: Occupations in this category require skills and experience gained in other jobs.

Postsecondary Vocational Training: These formal training programs last from a few weeks to more than a year, and are offered at vocational or technical schools.

Associate Degree: This degree requires two years of full-time academic work beyond high school.

Bachelor's Degree: This degree requires four or five years of full-time academic work at a college or university.

Master's Degree: This degree requires one to two years of full-time study beyond a bachelor's degree.

Doctoral Degree: This degree usually requires at least three years of full-time study beyond a bachelor's degree.

First Professional Degree: These degrees typically require at least two years of full-time study beyond a bachelor's degree.

Bachelor's or higher degree, plus work experience: These occupations require a bachelor's or higher degree, in addition to work experience in a related non-managerial position.

Employment for Registered nurses is included under Bachelor's degree.

Information is derived using the May 2003 OES Survey, 2002 QCEW and 2002 CES (3/03 Benchmark) data. Unpublished data from the US Bureau of Labor Statistics and US Census Bureau was also used.

To the extent possible, the projections take into account anticipated changes in Wisconsin's economy from 2002 to 2012. It is important to note that unanticipated events may affect the accuracy of these projections.

Source: Office of Economic Advisors, Wisconsin Department of Workforce Development, September 2004

Projections Methodology: Karin Wells, Economist

Local economist: Bill Brockmiller

608-264-7841

608-785-9337

Karin.Wells@dwd.state.wi.us

William.Brockmiller@dwd.state.wi.us

Occupation Projections for Southwest Wisconsin Workforce Development Area 2002-2012

Notes:

- (1) Employment is rounded to the nearest ten, with employment less than five rounded to zero. Totals may not add due to rounding. Employment does not include self-employed, unpaid family workers, or railroad employees.
- (2) Replacements are an estimate of the number of job openings expected because people have permanently left a given occupation. Permanent exits occur if someone dies, retires, or otherwise leaves the labor force. Permanent exits also include openings resulting from someone permanently changing occupations. For example, a person leaves their job as a cashier and becomes a truck driver.
Openings resulting from people changing employers, but staying in the same occupation are not included.
- (3) Total openings are the sum of new jobs and replacements.
- (4) Typical Education and Training Path gives a general indication of the education or training typically needed in the occupation. There may be other pathways into the occupation, as well as additional educational, training, or licensing requirements.
Short-Term On-the-Job Training: These occupations require no more than one month of on-the-job training and the training usually happens at the workplace.
Moderate-Term On-the-Job Training: Training for these occupations usually occurs at the workplace and lasts from one to twelve months.
Long-Term On-the-Job Training: These occupations require more than one year of on-the-job training, or combined work experience and classroom instruction.
Work Experience in Related Occupation: Occupations in this category require skills and experience gained in other jobs.
Postsecondary Vocational Training: These formal training programs last from a few weeks to more than a year, and are offered at vocational or technical schools.
Associate Degree: This degree requires two years of full-time academic work beyond high school.
Bachelor's Degree: This degree requires four or five years of full-time academic work at a college or university.
Master's Degree: This degree requires one to two years of full-time study beyond a bachelor's degree.
Doctoral Degree: This degree usually requires at least three years of full-time study beyond a bachelor's degree.
First Professional Degree: These degrees typically require at least two years of full-time study beyond a bachelor's degree.
Bachelor's or higher degree, plus work experience: This requires a bachelor's or higher degree, in addition to work experience in a related non-managerial position.
- (5) Average Annual Salary: An occupation's average hourly wage is calculated by summing the wages of all employees in a given occupation and then dividing by the total number of employees in that occupation. In most cases, the annual average salary is equal to the average hourly wage multiplied by 2,080.
- (6) Hourly Wage Rate - Middle Range: The middle range identifies the 25th and 75th percentiles in the hourly wage distribution for a given occupation.
Fifty percent of the workers in the occupation earn wages in this range. In most cases, the entry level wage is at or below the 25th percentile.
- (7) This code is specific to the Occupational Employment Statistics (OES) Survey and is not an official SOC code.
- (8) 33-2020 includes employment for 33-2021 and 33-2022. Education/training and wages are shown individually, if available.
47-5040 includes employment for 47-5041 and 47-5042. Education/training and wages are shown individually, if available.
51-8010 includes employment for 51-8011, 51-8012, and 51-8013. Education/training and wages are shown individually, if available.
53-6099 includes employment for 53-2022, 53-6011, and 53-6041. Education/training and wages are shown individually, if available.
- (9) Depending upon the specific position and employer either a bachelor's degree or an associate degree are most common for the occupation of registered nurse.
* Data is suppressed to preserve the confidentiality of employers. Some occupations with all suppressed data deleted.

Information is derived using the May 2003 OES Survey, 2002 QCEW and 2002 CES (3/03 Benchmark) data. Unpublished data from the US Bureau of Labor Statistics and US Census Bureau was also used.

To the extent possible, the projections take into account anticipated changes in Wisconsin's economy from 2002 to 2012. It is important to note that unanticipated events may affect the accuracy of these projections.

Source: Office of Economic Advisors, Wisconsin Department of Workforce Development, September 2004

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Karin.Wells@dwd.state.wi.us

William.Brockmiller@dwd.state.wi.us